Product
Overview and Availability

GATEWAY.MANAGEMENT

Introduction

Gateway.Management is a next-generation content filter and Internet gateway designed with a purposeful architecture to maximize on-premise performance with cloud-based intelligence. DNS, as a fundamental building block of the Internet, is at the core of this software along with strategic and dynamic firewall rules designed to allow a homeowner, a business owner, an enterprise IT team to enforce desired policies without the use of proxies, SSL inspection or other traditional techniques.

Intended Audience

The nature of Internet traffic control and how it is achieved necessarily requires a technical audience. A non-technical audience or executive overview may still benefit from this content.

Core principles

Content filters and security gateways are often at odds with end-user privacy and security needs. The rapid growth in the past decade in BYOD environments and the growing need for individual privacy and freedom led to these core principles in software design:

- Never intercept TLS/SSL traffic. SSL interception is against the interest of individuals and the industry as a whole.
- Filtering and security services must not impact end-user performance negatively for allowed sites and services. It is possible and achievable to optimize performance at the same time as security is improved.
- Policies (or rulesets) must be flexible to be global, regional, segmented or even individual.
- Product enhancements and security optimizations are ongoing. Therefore, all aspects of the product ecosystem must be available on an autonomous, automatic and perpetual upgrade cycle, aka "evergreen software". Security software must never be permitted to go stale.
- Building on good network architecture design: when the product (edge) has layer 2 visibility to end-points, MAC addresses are followed for policy enforcement purposes. Other device identity protocols available to customize client requirements.

Availability

Gateway.Management is available on any platform that runs ClearOS 7 and later, including:

- ClearBOX series
- ClearWAP series
- ClearOS in virtual machines (on any hardware or hypervisor)
- ClearVM+ClearOS deployments
- Any appliances or virtual instances with access to the ClearOS Marketplace
- Gateway mode or standalone mode
  (some services such as policy enforcement are not available in standalone mode)

Other Documentation

This information is provided in conjunction with other documents and videos as outlined here:

0	Product Overview and Availability (this document)
1	Procurement, Introduction and pre-installation
2	Installation and deployment
3	Lists, Rule Sets and Devices
4	Don't Talk To Strangers (DTTS)
5	Customization and Tailoring

Support

Email for support:	support@gateway.management
Technical Training available at:	http://support.gateway.management